### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau

Organization
International Bureau



## 

(43) International Publication Date 3 June 2004 (03.06.2004)

**PCT** 

## (10) International Publication Number WO 2004/046719 A1

- (51) International Patent Classification<sup>7</sup>: 33/00
- G01N 33/53,
- (21) International Application Number:

PCT/AU2003/001552

(22) International Filing Date:

20 November 2003 (20.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

- (30) Priority Data: 2002952797 20 November 2002 (20.11.2002) AU
- (71) Applicant (for all designated States except US):
  BIO-MOLECULAR HOLDINGS PTY LIMITED
  [AU/AU]; 4/140 George Street, Hornsby, New South
  Wales 2077 (AU).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CORBETT, John, Michael [AU/AU]; 38 Billabong Place, Parkinson, Queensland 4115 (AU). CORBETT, John, Michael, Jr [AU/AU]; 1/14 Hilly Street, Mortlake, New South Wales 2137 (AU).

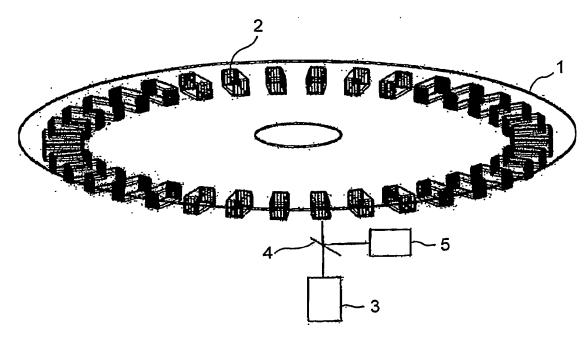
- (74) Agent: CULLEN & CO.; Level 26, 239 George Street, Brisbane, Queensland 4000 (AU).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG).

#### Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CENTRIFUGAL DEVICE AND METHOD FOR PERFORMING BINDING ASSAYS



(57) Abstract: The invention the subject of this application relates to a device performing binding assays. In particular, the invention relates to a centrifugal device (1) for performing such assays. The invention also relates to a method of performing binding assays involving antigen-antibody binding, nucleic acid hybridization, or receptor-ligand interaction.

